

Title (en)

METHOD AND DEVICE FOR PRODUCING A METALLIC STRIP IN A CONTINUOUS CASTING AND ROLLING PROCESS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES METALLISCHEN BANDES IM KONTINUIERLICHEN GIESSWALZVERFAHREN

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE PRODUIRE UNE BANDE MÉTALLIQUE AU COURS D'UN PROCÉDÉ DE COULÉE-LAMINAGE CONTINUE

Publication

EP 3024601 B1 20190508 (DE)

Application

EP 14747555 A 20140724

Priority

- DE 102013214667 A 20130726
- US 201361870507 P 20130827
- DE 102013220657 A 20131014
- US 201361908949 P 20131126
- EP 2014065979 W 20140724

Abstract (en)

[origin: WO2015011248A1] The invention relates to a method for producing a metallic strip (1) in a continuous casting and rolling process, in which first a slab is cast in a casting machine (2) and then is fed to a rolling unit (3), arranged downstream in the conveying direction (F) of the strip, where it is rolled. In order to minimize damage or costs in the event of a production fault, the invention provides that, in the event of a production fault and a complete or almost complete standstill of the conveyance of the slab or the strip (1), the following steps are taken: a) cutting through the strip (1) at a first location (4); b) cutting through the strip (1) at a second location (5), wherein the second location (5) is between 0.1 m and 5.0 m away from the first location (4) in the conveying direction (F); c) removing, in particular conveying away, the cut-out portion of strip from the conveying line to create a gap (6) in the strip (1); d) conveying further strip material from the region upstream of the first location (5) in the conveying direction (F) into the region of the gap (6); e) cutting off portions of the strip material further conveyed according to step d) and removing, in particular conveying away, the portions from the conveying line (chopping mode). The invention also relates to a device for producing a metallic strip.

IPC 8 full level

B22D 11/16 (2006.01); **B21B 1/24** (2006.01); **B21B 1/46** (2006.01); **B21B 15/00** (2006.01)

CPC (source: EP RU US)

B21B 1/24 (2013.01 - US); **B21B 1/46** (2013.01 - RU US); **B21B 1/463** (2013.01 - EP US); **B21B 15/0007** (2013.01 - EP US); **B22D 11/16** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102013220657 A1 20150129; CN 105555426 A 20160504; CN 105555426 B 20180116; EP 3024601 A1 20160601; EP 3024601 B1 20190508; KR 101889096 B1 20180816; KR 20160040224 A 20160412; RU 2016106334 A 20170831; RU 2663666 C2 20180808; US 10434552 B2 20191008; US 2016175903 A1 20160623; US 2019283095 A1 20190919; WO 2015011248 A1 20150129

DOCDB simple family (application)

DE 102013220657 A 20131014; CN 201480050884 A 20140724; EP 14747555 A 20140724; EP 2014065979 W 20140724; KR 20167004331 A 20140724; RU 2016106334 A 20140724; US 201414907039 A 20140724; US 201916427993 A 20190531